

Appendix Test Data

Report No.:	18220WC30046002	Test Sample No.:	1-2-2
Start Test Date:	2023.03.21	Finish Test Date:	2023.03.23
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	25.6°C	Relative Humidity:	47%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.680	2401.692	2402.372	0.5	PASS
		2440	0.668	2439.684	2440.352	0.5	PASS
		2480	0.660	2479.700	2480.360	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0825	2401.4928	2402.5753
		2440	1.0899	2439.4821	2440.5720
		2480	1.0881	2479.4849	2480.5730



Test Graphs



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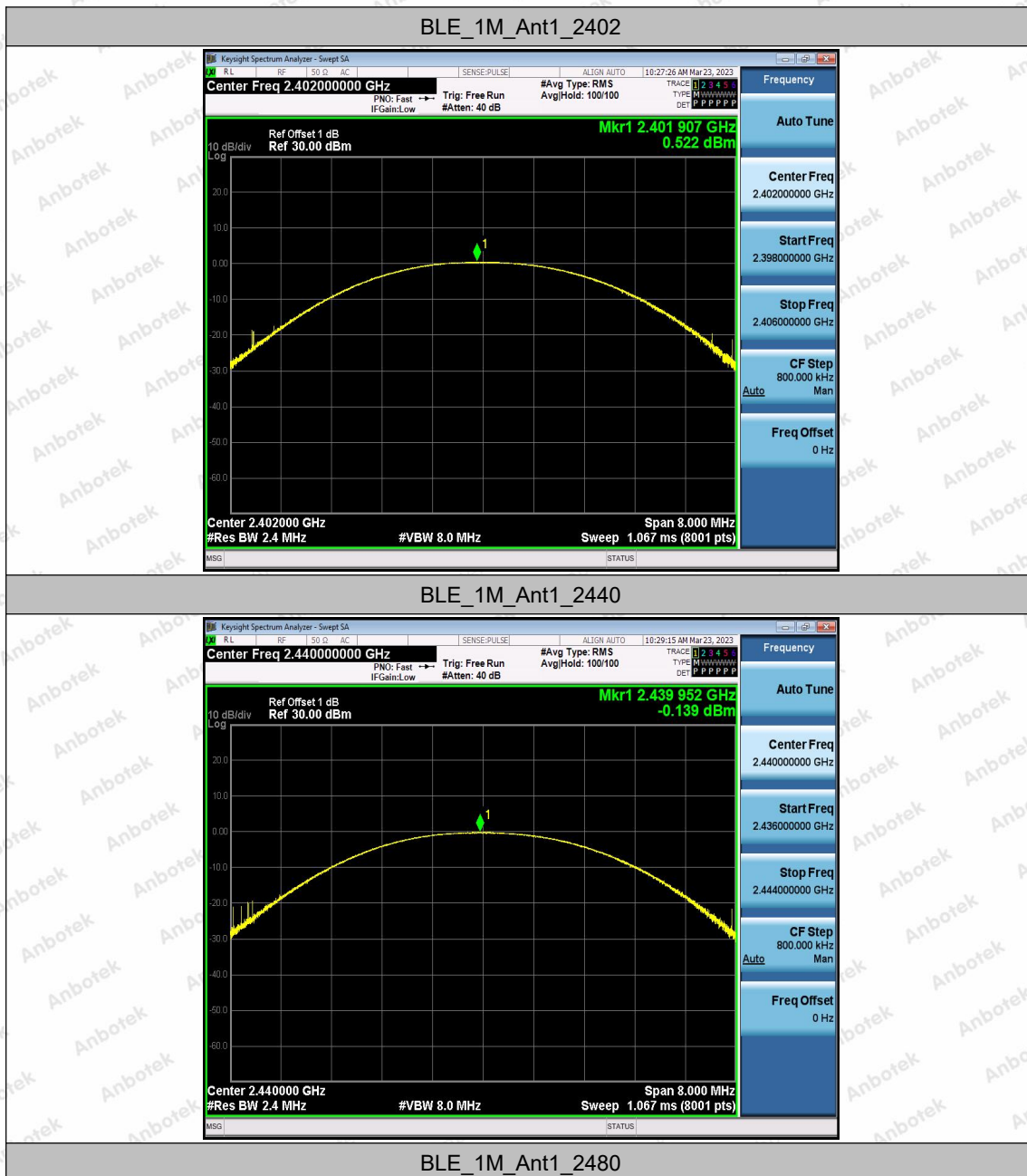
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.52	≤30	PASS
		2440	-0.14	≤30	PASS
		2480	-0.94	≤30	PASS



Test Graphs Peak



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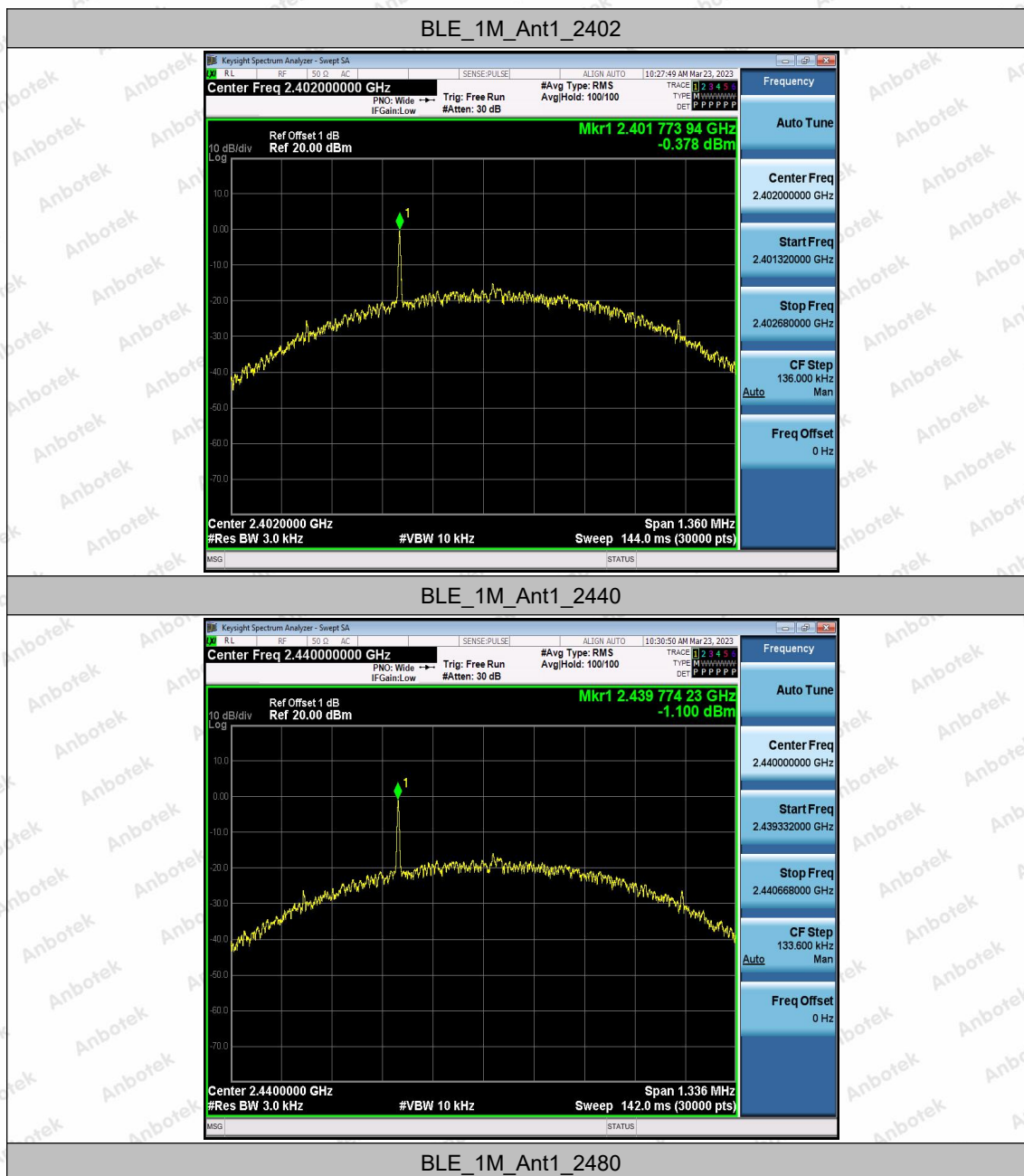
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-0.38	≤8.00	PASS
		2440	-1.1	≤8.00	PASS
		2480	-1.85	≤8.00	PASS



Test Graphs



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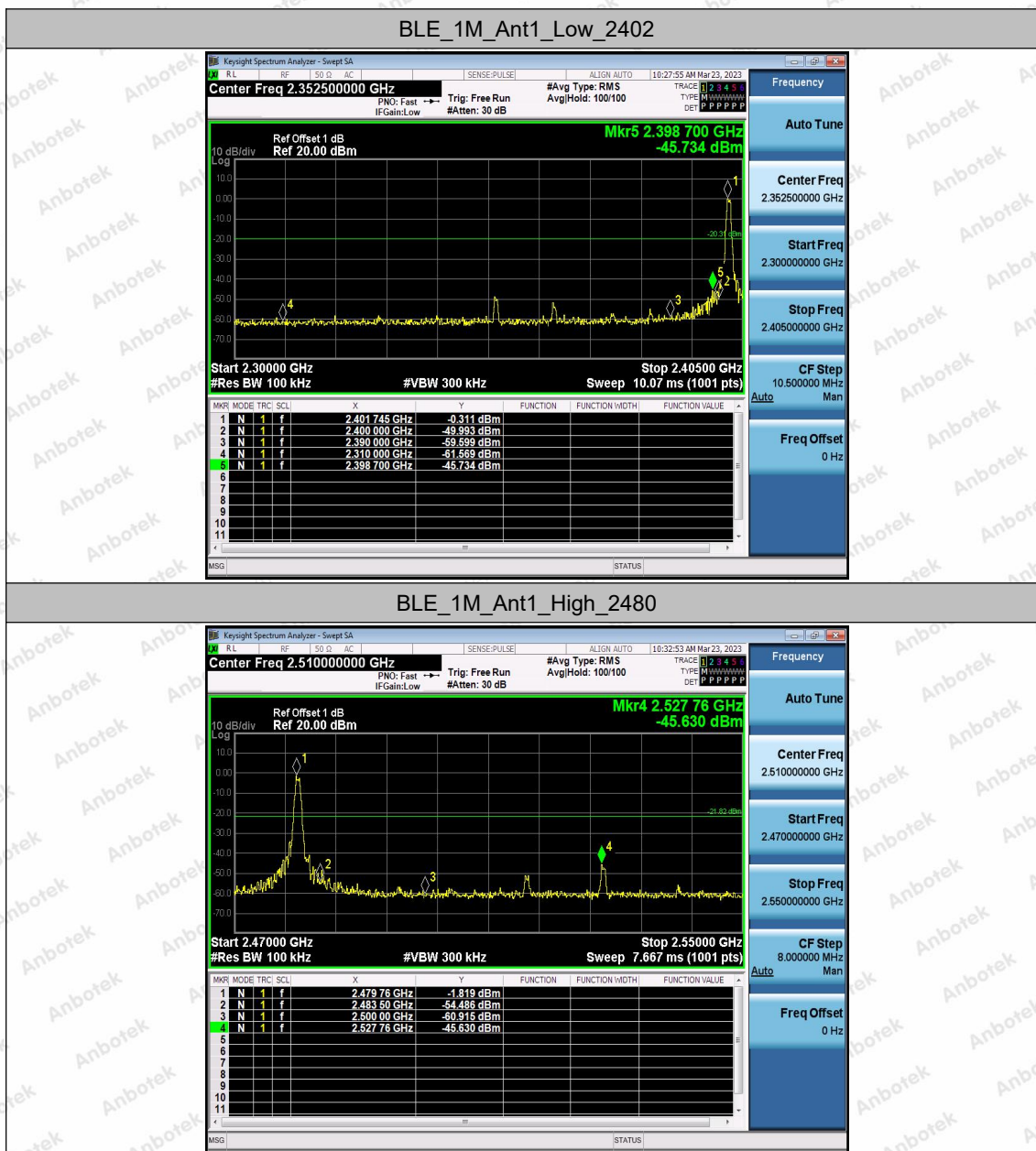
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.31	-45.73	≤-20.31	PASS
		High	2480	-1.82	-45.63	≤-21.82	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.38	-0.38	---	PASS
			30~1000	-0.38	-43.06	≤-20.38	PASS
			1000~26500	-0.38	-36.58	≤-20.38	PASS
		2440	Reference	-1.12	-1.12	---	PASS
			30~1000	-1.12	-43.19	≤-21.12	PASS
			1000~26500	-1.12	-37.12	≤-21.12	PASS
		2480	Reference	-1.87	-1.87	---	PASS
			30~1000	-1.87	-42.87	≤-21.87	PASS
			1000~26500	-1.87	-37.48	≤-21.87	PASS

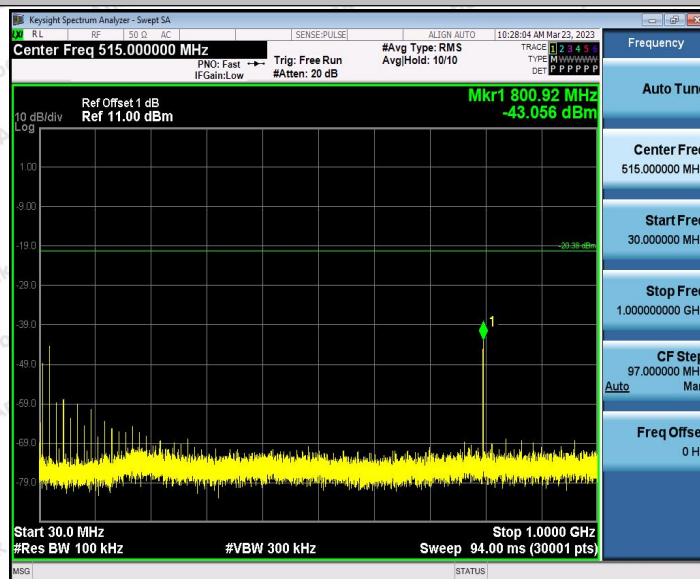


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

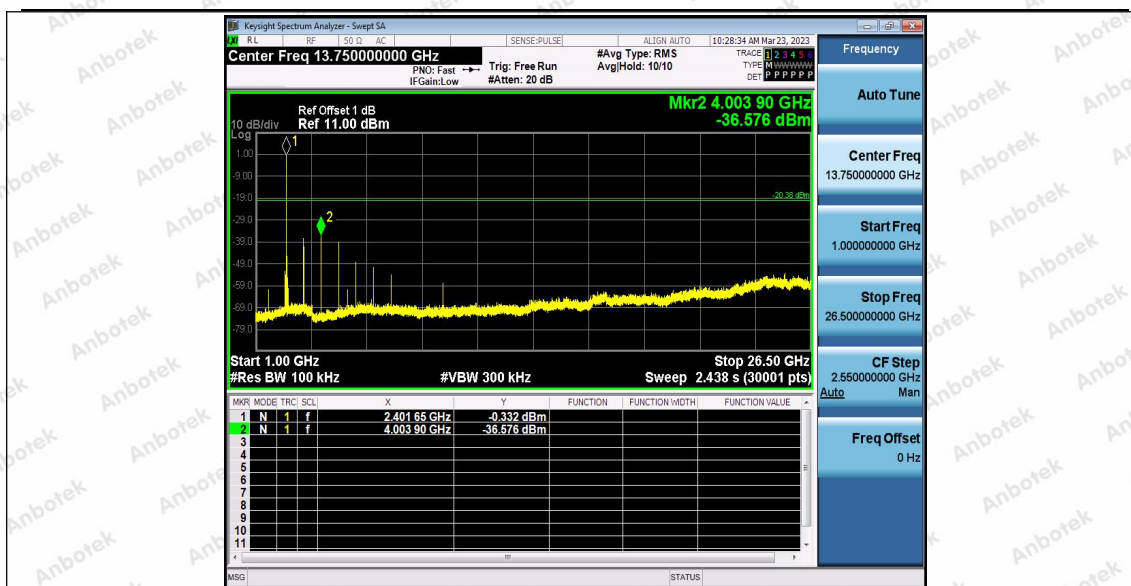
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

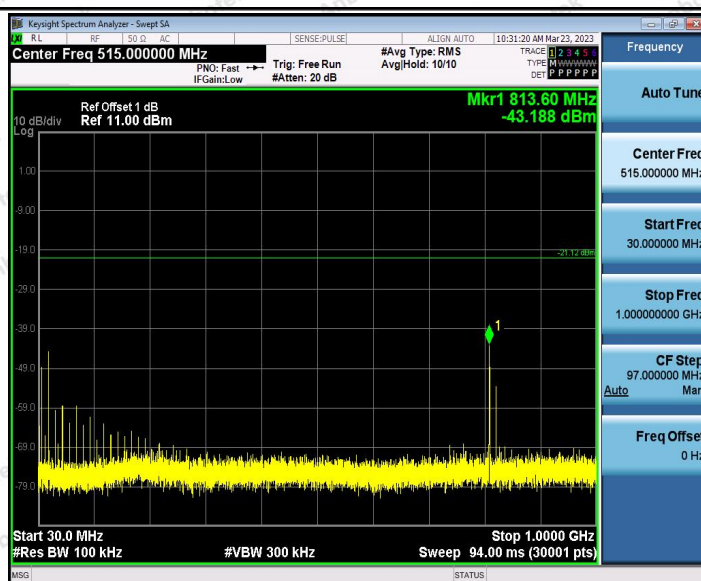
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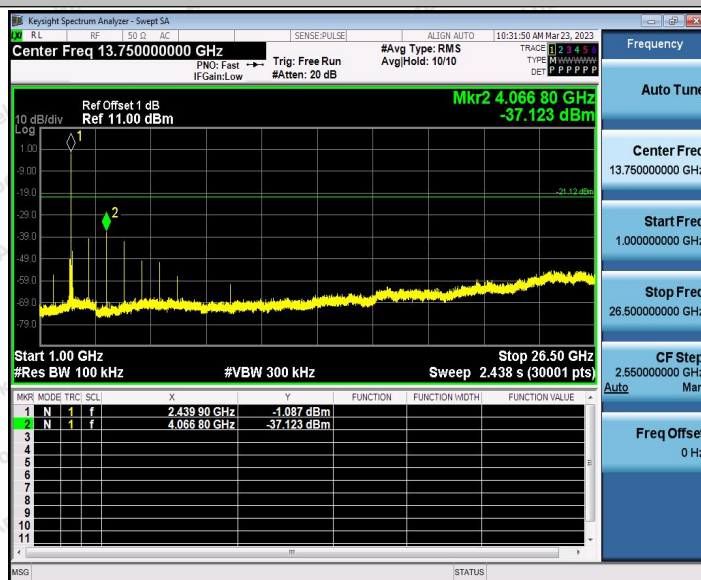


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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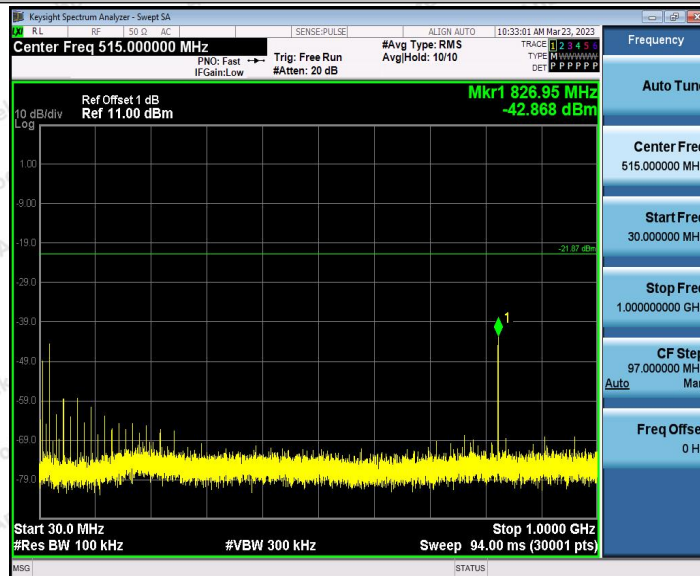


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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

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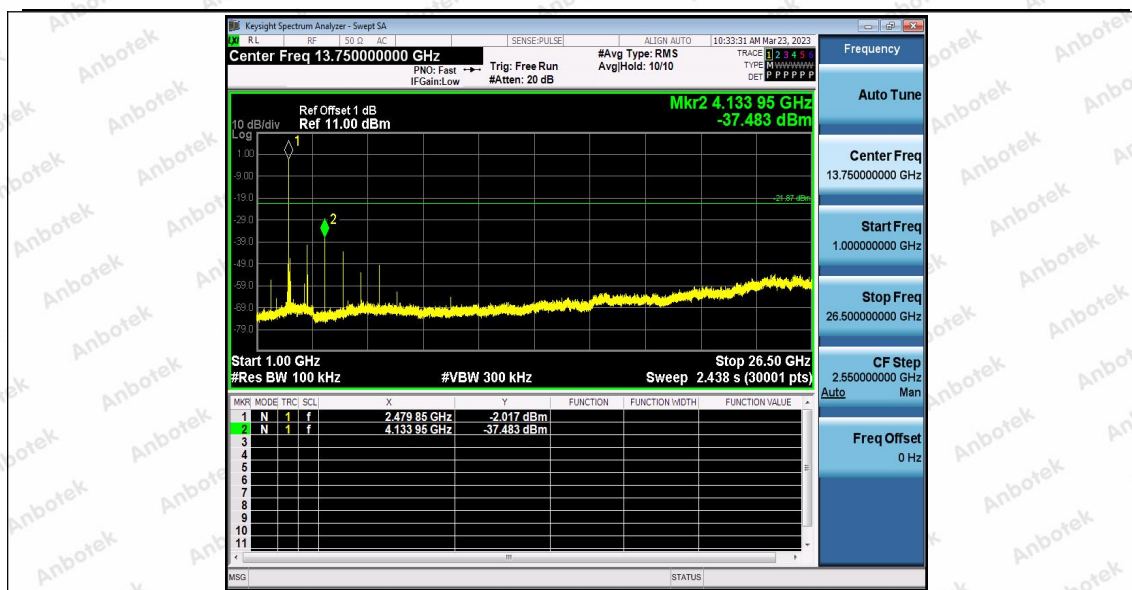


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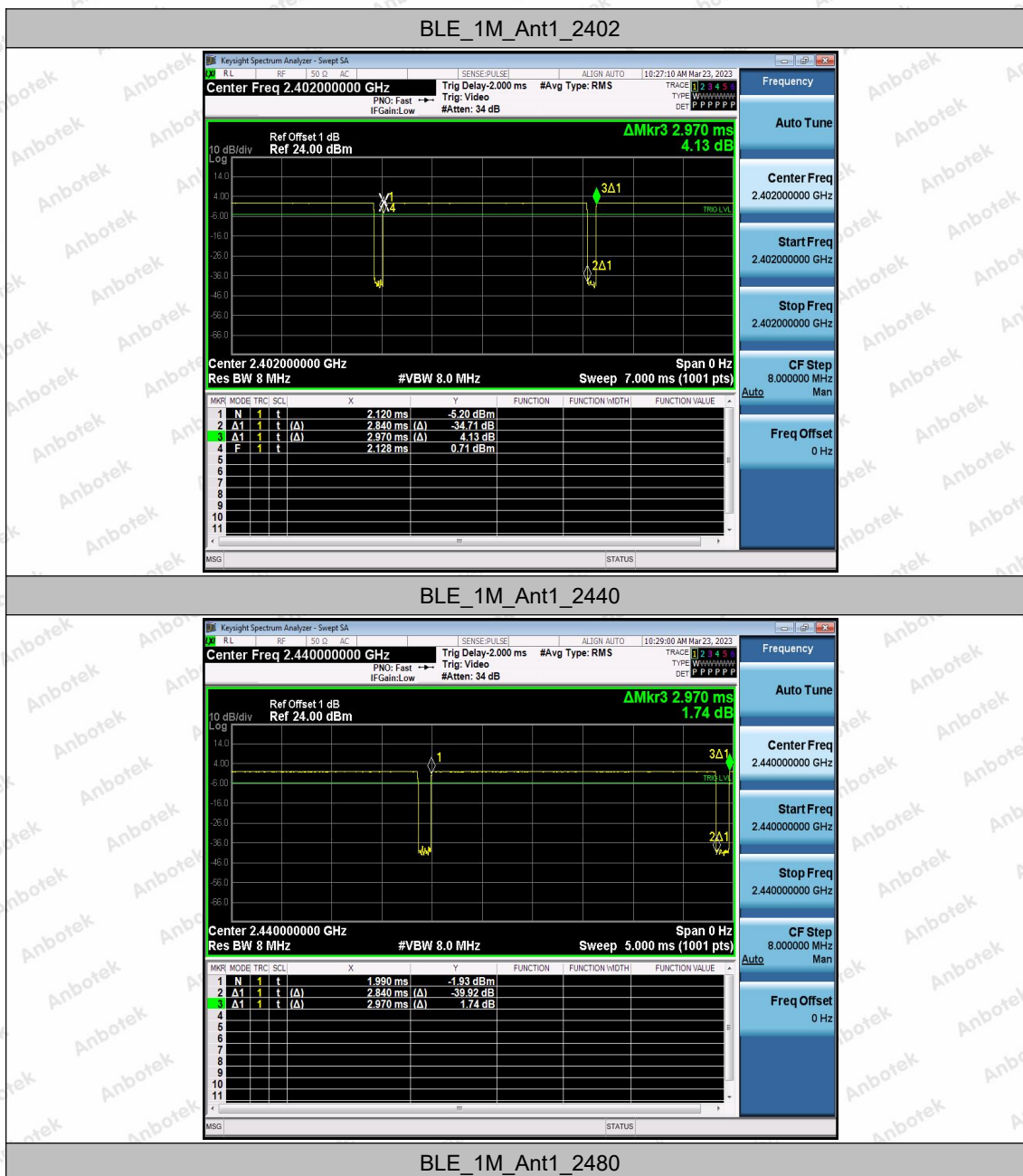
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.84	2.97	95.62	0.19
		2440	2.84	2.97	95.62	0.19
		2480	2.84	2.97	95.62	0.19



Test Graphs



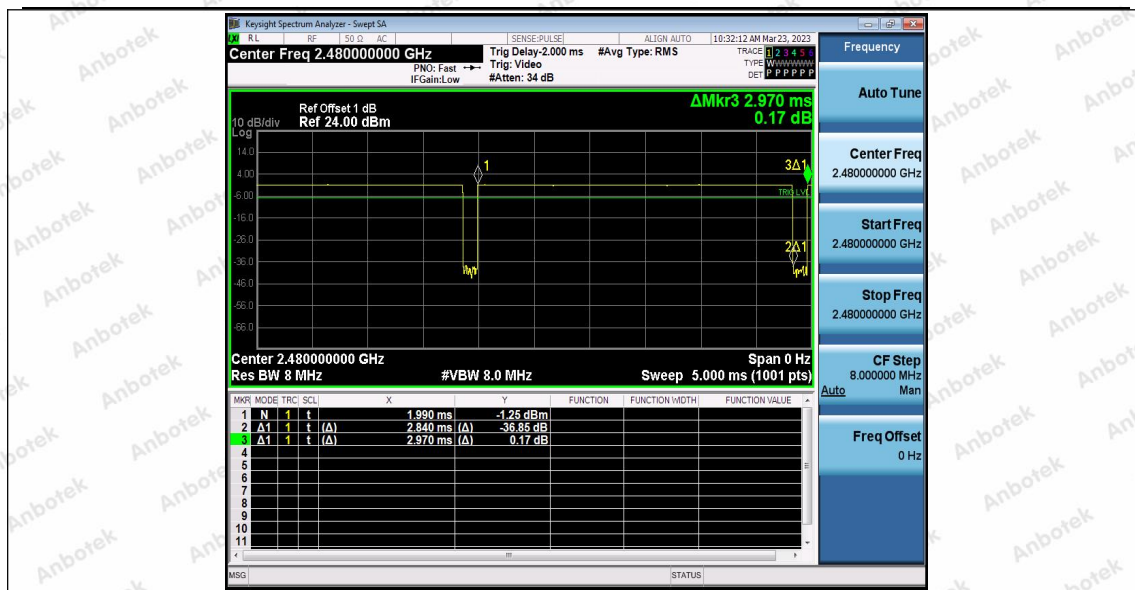
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